$$\sqrt{x} = 5$$

$$\sqrt{x} = -3$$

Looking for the principle (positive) square root. Always check your solutions for extraneous (false) answers.

$$\sqrt{x+3} = 4$$

$$\sqrt{x-7} = 6$$

$$\sqrt{x+2} = -2$$

$$\sqrt{x} + 3 = 8$$

$$\sqrt{x} - 6 = 2$$

$$\sqrt{2x} + 5 = 9$$

$$5\sqrt{x} - 6 = 14$$

$$\sqrt{2x + 3} = x$$